BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants :

Pre-Measurement

Item No: **1**

Item Name: KSRRB M200-12.3. Dismantling of existing Reiforced cement concrete grade M-20 above structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications IT No.18.19(KPWD 2018-19)

	CHAINAGE		NO	L	B	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)		
Dismantling Exisiting Structures									
Kempegowda Nagar Colony									
From Arch	0.00	15.00	1	15.00	1.65	1.65	0.15	3.71	
	15.00	30.00	1	15.00	1.65	1.65	0.15	3.71	
	30.00	45.00	1	15.00	1.65	1.65	0.15	3.71	
	45.00	60.00	1	15.00	1.65	1.65	0.15	3.71	
	60.00	75.00	1	15.00	1.65	1.65	0.15	3.71	
	75.00	84.00	1	9.00	1.65	1.65	0.15	2.23	
	84.00	99.00	1	15.00	1.65	1.65	0.15	3.71	
	99.00	105.70	1	6.70	1.65	1.65	0.15	1.66	
	105.70	108.20	1	2.50	1.65	1.65	0.15	0.62	
	108.20	118.20	1	10.00	1.65	1.65	0.15	2.48	
							Total Qty Work Done	**29.25**	**Cum**
							Qty Payable in this bill	**29.25**	**Cum**

Assistant Executive Engineer, Vidyaranyapura Sub Division KRIDL, BBMP Bangalore

Contractor Representative

Assistant Engineer
Ward No 09
BBMP-Bangalore

03/02/2020

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP Bangalore - 97

Asst.Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants :

Pre-Measurement

Item No:	2
Item Name:	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (KPWD SR 2018-19, Page No.27, Item No.5.33)

	CHAINAGE		NO	L	B	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)		
Removing & Refixing stone slabs									
Cross Road-2									
From Main Road	0.00	21.50	2	21.50	0.90	0.90		38.70	
	21.50	43.00	2	30.00	0.90	0.90		54.00	
	43.00	73.00	2	1.30	0.90	0.90		2.34	
	73.00	74.30	2	3.80	0.90	0.90		6.84	
	74.30	78.10	2	11.80	0.90	0.90		21.24	
	78.10	89.90	2	16.00	0.90	0.90		28.80	
	89.90	105.90	2	11.50	0.90	0.90		20.70	
	105.90	117.40	2	4.00	0.90	0.90		7.20	
	117.40	121.40	2	30.00	0.90	0.90		54.00	
	121.40	151.40	2	5.00	0.90	0.90		9.00	
	151.40	156.40	1	30.00	0.90	0.90		27.00	
	156.40	186.40	1	17.60	0.90	0.90		15.84	
	186.40	204.00	1	24.30	0.90	0.90		21.87	
	204.00	228.30	1	20.40	0.90	0.90		18.36	
	228.30	248.70	1	24.00	0.90	0.90		21.60	
							Total Qty Work Done	**347.49**	**Sqm**
							Qty Payable in this bill	**347.49**	**Sqm**

Assistant Executive Engineer,
Byatarayanapura Sub Division
KRIDL, BBMP Bangalore

Contractor Representative

Assistant Engineer
Ward No 09 03/02/2020
BBMP-Bangalore

Asst.Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants [illegible]

Pre-Measurement

Item No:	3
Item Name:	KSRRB M300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3.(Page No.-143 I.No- 19.1of KPWD S.R 2018-19)

	CHAINAGE Land Mark		NO	L (m)	B (m)	Avg B (m)	D (m)	QTY	REMARKS
Earthwork For Drain									
Kempegowda Nagar Colony									
From Arch	0.00	15.00	1	15.00	0.90	0.90	0.90	12.15	
	15.00	30.00	1	15.00	0.90	0.90	0.90	12.15	
	30.00	45.00	1	15.00	0.90	0.90	0.90	12.15	
	45.00	60.00	1	15.00	0.90	0.90	0.90	12.15	
	60.00	75.00	1	15.00	0.90	0.90	0.90	12.15	
	75.00	84.00	1	9.00	0.90	0.90	0.90	7.29	
	84.00	99.00	1	15.00	0.90	0.90	0.90	12.15	
	99.00	105.70	1	6.70	0.90	0.90	0.90	5.43	
	105.70	108.20	1	2.50	0.90	0.90	0.90	2.03	
	108.20	118.20	1	10.00	0.90	0.90	0.90	8.10	
1st Cross Road									
From Main Road	0.00	15.00	1	15.00	0.90	0.90	0.90	12.15	
	15.00	30.00	1	15.00	0.90	0.90	0.90	12.15	
	30.00	45.00	1	15.00	0.90	0.90	0.90	12.15	
	45.00	60.00	1	15.00	0.90	0.90	0.90	12.15	
	60.00	75.00	1	15.00	0.90	0.90	0.90	12.15	
	75.00	90.00	1	15.00	0.90	0.90	0.90	12.15	
	90.00	93.91	1	3.91	0.90	0.90	0.90	3.17	
Earthwork For Culvert									
Kempegowda Nagar Colony									
	0.00	5.00	1	5.00	1.80	1.80	0.90	8.10	
Desiliting For Road									
1st Cross Road									
	0.00	15.00	1	15.00	0.60	0.60	0.60	5.40	
	15.00	30.00	1	15.00	0.60	0.60	0.60	5.40	
	30.00	45.00	1	15.00	0.60	0.60	0.60	5.40	
	45.00	60.00	1	15.00	0.60	0.60	0.60	5.40	
	60.00	75.00	1	15.00	0.60	0.60	0.60	5.40	
	75.00	90.00	1	15.00	0.60	0.60	0.60	5.40	
	90.00	105.00	1	15.00	0.60	0.60	0.60	5.40	
	105.00	120.00	1	15.00	0.60	0.60	0.60	5.40	
	120.00	135.00	1	15.00	0.60	0.60	0.60	5.40	
	135.00	150.00	1	15.00	0.60	0.60	0.60	5.40	
	150.00	165.00	1	15.00	0.60	0.60	0.60	5.40	
	165.00	180.00	1	15.00	0.60	0.60	0.60	5.40	

244.71

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

	CHAINAGE		NO	L	B	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)		
	180.00	195.00	1	15.00	0.60	0.60	0.60	5.40	
	195.00	203.00	1	8.00	0.60	0.60	0.60	2.88	
1st Cross Road									
From Main Road	0.00	15.00	1	15.00	0.60	0.60	0.60	5.40	
	15.00	30.00	1	15.00	0.60	0.60	0.60	5.40	
	30.00	45.00	1	15.00	0.60	0.60	0.60	5.40	
	45.00	60.00	1	15.00	0.60	0.60	0.60	5.40	
	60.00	75.00	1	15.00	0.60	0.60	0.60	5.40	
	75.00	90.00	1	15.00	0.60	0.60	0.60	5.40	
	90.00	105.00	1	15.00	0.60	0.60	0.60	5.40	
	105.00	109.09	1	4.90	0.60	0.60	0.60	1.76	
Cross Road-1									
From Main Road	0.00	15.00	2	15.00	0.60	0.60	0.60	10.80	
	15.00	30.00	2	15.00	0.60	0.60	0.60	10.80	
	30.00	45.00	2	15.00	0.60	0.60	0.60	10.80	
	45.00	60.00	2	15.00	0.60	0.60	0.60	10.80	
	60.00	75.00	2	15.00	0.60	0.60	0.60	10.80	
	75.00	90.00	2	15.00	0.60	0.60	0.60	10.80	
	90.00	105.00	2	15.00	0.60	0.60	0.60	10.80	
	105.00	120.00	2	15.00	0.60	0.60	0.60	10.80	
	120.00	135.00	2	15.00	0.60	0.60	0.60	10.80	
	135.00	150.00	2	15.00	0.60	0.60	0.60	10.80	
	150.00	165.00	2	15.00	0.60	0.60	0.60	10.80	
	165.00	180.00	2	15.00	0.60	0.60	0.60	10.80	
	180.00	195.00	2	15.00	0.60	0.60	0.60	10.80	
	195.00	200.00	2	5.00	0.60	0.60	0.60	3.60	
Cross Road-2									
From Main Road	0.00	15.00	2	15.00	0.60	0.60	0.60	10.80	
	15.00	30.00	2	15.00	0.60	0.60	0.60	10.80	
	30.00	45.00	2	15.00	0.60	0.60	0.60	10.80	
	45.00	60.00	2	15.00	0.60	0.60	0.60	10.80	
	60.00	75.00	2	15.00	0.60	0.60	0.60	10.80	
	75.00	90.00	2	15.00	0.60	0.60	0.60	10.80	
	90.00	105.00	2	15.00	0.60	0.60	0.60	10.80	
	105.00	120.00	2	15.00	0.60	0.60	0.60	10.80	
	120.00	135.00	2	15.00	0.60	0.60	0.60	10.80	
	135.00	150.00	2	15.00	0.60	0.60	0.60	10.80	
	150.00	165.00	2	15.00	0.60	0.60	0.60	10.80	
	165.00	180.00	2	15.00	0.60	0.60	0.60	10.80	
	180.00	195.00	2	15.00	0.60	0.60	0.60	10.80	
	195.00	210.00	2	15.00	0.60	0.60	0.60	10.80	
	210.00	225.00	2	15.00	0.60	0.60	0.60	10.80	
	225.00	240.00	2	15.00	0.60	0.60	0.60	10.80	
	240.00	255.00	2	15.00	0.60	0.60	0.60	10.80	
	255.00	270.00	2	15.00	0.60	0.60	0.60	10.80	
	270.00	276.19	2	24.70	0.60	0.60	0.60	17.78	
For Debries Clerence									
	0.00	15.00	1	15.00	3.00	3.00	0.60	27.00	
	15.00	30.00	1	15.00	3.00	3.00	0.60	27.00	
	30.00	45.00	1	15.00	3.00	3.00	0.60	27.00	
	45.00	60.00	1	15.00	3.00	3.00	0.60	27.00	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

485.03

	CHAINAGE		NO	L	B	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)		
	60.00	75.00	1	15.00	3.00	3.00	0.60	27.00	
	75.00	90.00	1	15.00	3.00	3.00	0.60	27.00	
	90.00	105.00	1	15.00	3.00	3.00	0.60	27.00	
	105.00	120.00	1	15.00	3.00	3.00	0.60	27.00	
	120.00	135.00	1	15.00	3.00	3.00	0.60	27.00	
	135.00	150.00	1	15.30	3.00	3.00	0.60	27.54	129.54
							Total Qty Work Done	919.28	Cum
							Qty Payable in this bill	919.28	Cum

Assistant Executive Engineer,
KRIDL, BBMP Bangalore

Contractor Representative

Assistant Engineer
Ward No 09 05/02/2020
BBMP-Bangalore

Asst.Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

Assistant Executive Engineer
Vidyaranyapura Division
BBMP, Bangalore - 97

Page -5

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants :

Pre-Measurement

Item No:	4
Item Name:	KSRRB M200-24 Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled mateirals stacking serviceble and unserviceble materials seperatly complete as per specifications. MORTH Specifications No.202 (KPWD SR 2018-19)

	CHAINAGE Land Mark		NO	L (m)	B (m)	Avg B (m)	D (m)	QTY	REMARKS
Dismantling Cement Concrete									
Kempegowda Nagar Colony									
From Arch	0.00	15.00	1	15.00	2.50	2.50	0.20	7.50	
	15.00	30.00	1	15.00	2.50	2.50	0.20	7.50	
	30.00	45.00	1	15.00	2.50	2.50	0.20	7.50	
	45.00	60.00	1	15.00	2.50	2.50	0.20	7.50	
	60.00	75.00	1	15.00	2.50	2.50	0.20	7.50	
	75.00	84.00	1	9.00	2.50	2.50	0.20	4.50	
	84.00	99.00	1	15.00	2.50	2.50	0.20	7.50	
	99.00	105.70	1	6.70	2.50	2.50	0.20	3.35	
	105.70	108.20	1	2.50	2.50	2.50	0.20	1.25	
	108.20	118.20	1	10.00	2.50	2.50	0.20	5.00	
							Total Qty Work Done	**59.10**	**Cum**
							Qty Payable in this bill	**59.10**	**Cum**

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Contractor Representative

Assistant Engineer
Ward No 09
BBMP-Bangalore

05/02/2020

Asst.Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Divisio
BBMP, Bangalore - 97

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants :

Pre-Measurement

Item No: **5**

Item Name: KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 including cost and conveyance of all materials, labour for all items of work, HOM of equipment with all lead and lift, loading and unloading and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work.

	CHAINAGE Land Mark		NO	L (m)	B (m)	Avg B (m)	D (m)	QTY	REMARKS
Excavation for roadwork									
Kempegowda Nagar Colony									
From Arch	0.00	15.00	1	15.00	3.00	3.00	0.30	13.50	
	15.00	30.00	1	15.00	3.00	3.00	0.30	13.50	
	30.00	45.00	1	15.00	3.00	3.00	0.30	13.50	
	45.00	60.00	1	15.00	3.00	3.00	0.30	13.50	
	60.00	75.00	1	15.00	3.00	3.00	0.30	13.50	
	75.00	90.00	1	15.00	3.00	3.00	0.30	13.50	
	90.00	105.00	1	15.00	3.00	3.00	0.30	13.50	
	105.00	120.00	1	15.00	3.00	3.00	0.30	13.50	
Krishna Achari Road									
	0.00	15.00	1	15.00	3.50	3.50	0.30	15.75	
	15.00	30.00	1	15.00	3.50	3.50	0.30	15.75	
	30.00	45.00	1	15.00	3.50	3.50	0.30	15.75	
	45.00	55.00	1	10.00	3.50	3.50	0.30	10.50	
For Aswath Katte									
	0.00	15.00	1	15.00	0.95	0.95	0.90	12.83	
	15.00	28.00	1	13.00	0.95	0.95	0.90	11.12	
							Total Qty Work Done	**189.69**	**Cum**
							Qty Payable in this bill	**189.69**	**Cum**

Assistant Executive Engineer,
KRIDL, BBMP Bangalore

Contractor Representative

Assistant Engineer
Ward No 09 06/02/2020
BBMP-Bangalore

Asst.Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants :

Pre-Measurement

Item No: **6**

Item Name: 0400 Stone dust / Grit (Page No,-11 I.No,-50 of KPWD S.R 2018-19)

	CHAINAGE Land Mark		NO	L (m)	B (m)	Avg B (m)	D (m)	QTY	REMARKS
Excavation for roadwork									
Kempegowda Nagar Colony									
For Sanitary Line	0.00	15.00	1	15.00	1.00	1.00	0.90	13.50	
	15.00	30.00	1	15.00	1.00	1.00	0.90	13.50	
	30.00	45.00	1	15.00	1.00	1.00	0.90	13.50	
	45.00	60.00	1	15.00	1.00	1.00	0.90	13.50	
	60.00	75.00	1	15.00	1.00	1.00	0.90	13.50	
	75.00	90.00	1	15.00	1.00	1.00	0.90	13.50	
	90.00	105.00	1	15.00	1.00	1.00	0.90	13.50	
	105.00	120.00	1	15.00	1.00	1.00	0.90	13.50	
For Water Line	0.00	15.00	1	15.00	0.60	0.60	0.30	2.70	
	15.00	30.00	1	15.00	0.60	0.60	0.30	2.70	
	30.00	45.00	1	15.00	0.60	0.60	0.30	2.70	
	45.00	60.00	1	15.00	0.60	0.60	0.30	2.70	
	60.00	75.00	1	15.00	0.60	0.60	0.30	2.70	
	75.00	90.00	1	15.00	0.60	0.60	0.30	2.70	
	90.00	105.00	1	15.00	0.60	0.60	0.30	2.70	
	105.00	120.00	1	15.00	0.60	0.60	0.30	2.70	
							Total Qty Work Done	**129.60**	**Cum**
							Qty Payable in this bill	**129.60**	**Cum**

Assistant Executive Engineer,
Vidyaranyapura Sub Division
KRIDL, BBMP Bangalore

Contractor Representative

Assistant Engineer
Ward No 09
BBMP-Bangalore
11/02/2020

Asst.Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Page 8

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants :

Pre-Measurement

Item No: 7

Item Name: KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (KPWD SR 2018-19, Page No.155, Item No.20.18)

	CHAINAGE Land Mark		NO	L (m)	B (m)	Avg B (m)	D (m)	QTY	REMARKS
compacting									
Kempegowda Nagar Colony									
For Sanitary Line	0.00	15.00	1	15.00	1.00	1.00	0.60	9.00	
	15.00	30.00	1	15.00	1.00	1.00	0.60	9.00	
	30.00	45.00	1	15.00	1.00	1.00	0.60	9.00	
	45.00	60.00	1	15.00	1.00	1.00	0.60	9.00	
	60.00	75.00	1	15.00	1.00	1.00	0.60	9.00	
	75.00	90.00	1	15.00	1.00	1.00	0.60	9.00	
	90.00	105.00	1	15.00	1.00	1.00	0.60	9.00	
	105.00	120.00	1	15.00	1.00	1.00	0.60	9.00	
	120.00	135.00	1	15.00	1.00	1.00	0.60	9.00	
	135.00	150.00	1	15.00	1.00	1.00	0.60	9.00	
	150.00	165.00	1	15.00	1.00	1.00	0.60	9.00	
	165.00	180.00	1	15.00	1.00	1.00	0.60	9.00	
	180.00	195.00	1	15.00	1.00	1.00	0.60	9.00	
	195.00	205.00	1	10.00	1.00	1.00	0.60	6.00	
For Water Line	0.00	15.00	1	15.00	0.60	0.60	0.60	5.40	
	15.00	30.00	1	15.00	0.60	0.60	0.60	5.40	
	30.00	45.00	1	15.00	0.60	0.60	0.60	5.40	
	45.00	60.00	1	15.00	0.60	0.60	0.60	5.40	
	60.00	75.00	1	15.00	0.60	0.60	0.60	5.40	
	75.00	90.00	1	15.00	0.60	0.60	0.60	5.40	
	90.00	105.00	1	15.00	0.60	0.60	0.60	5.40	
	105.00	120.00	1	15.00	0.60	0.60	0.60	5.40	
							Total Qty Work Done	**166.20**	**Cum**
							Qty Payable in this bill	**166.20**	**Cum**

Assistant Executive Engineer, Byatarayanapura Sub Div, KRIDL, BBMP Bangalore

Contractor Representative

Assistant Engineer
Ward No 09
BBMP-Bangalore

16/02/2020

Asst.Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore - 97

Page-9

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants :

Pre-Measurement

Item No: **8**

Item Name: KSRB M2100-10.Providing and laying in position plain cement concrete of mix 1:3:6 with opc cement @220kgs with 20 mm and down size graded granite metal course aggregate @0.84cum and fine aggregates @0.56 cum machine mixed,laid in layers not exceeding 15cms thick well compacted in foundation,plinth and cills including cost of all materials,labour,HOM OF machinary, curing complete as per specification (Pg No-12.Item No.27.18 of KPWD S.R 2018-19)

	CHAINAGE Land Mark		NO	L (m)	B (m)	Avg B (m)	D (m)	QTY	REMARKS
				PCC					
				Kempegowda Nagar Colony					
	0.00	15.00	1	15.00	0.90	0.90	0.15	2.03	
	15.00	30.00	1	15.00	0.90	0.90	0.15	2.03	
	30.00	45.00	1	15.00	0.90	0.90	0.15	2.03	
	45.00	60.00	1	15.00	0.90	0.90	0.15	2.03	
	60.00	75.00	1	15.00	0.90	0.90	0.15	2.03	
	75.00	90.00	1	15.00	0.90	0.90	0.15	2.03	
	90.00	105.00	1	15.00	0.90	0.90	0.15	2.03	
	105.00	120.00	1	15.00	0.90	0.90	0.15	2.03	
				1st Cross Road					
	0.00	15.00	1	15.00	1.05	1.05	0.15	2.36	
	15.00	30.00	1	15.00	1.05	1.05	0.15	2.36	
	30.00	45.00	1	15.00	1.05	1.05	0.15	2.36	
	45.00	60.00	1	15.00	1.05	1.05	0.15	2.36	
	60.00	75.00	1	15.00	1.05	1.05	0.15	2.36	
	75.00	90.00	1	15.00	1.05	1.05	0.15	2.36	
	90.00	93.91	1	3.91	1.05	1.05	0.15	0.62	
				Culvert					
	0.00	5.00	1	5.00	1.80	0.15	1.35	1.35	
				New CC Road					
				Kempegowda Nagar Colony					
	0.00	15.00	1	15.00	4.00	4.00	0.15	9.00	
	15.00	30.00	1	15.00	4.00	4.00	0.15	9.00	
	30.00	45.00	1	15.00	4.00	4.00	0.15	9.00	
	45.00	60.00	1	15.00	4.00	4.00	0.15	9.00	
	60.00	75.00	1	15.00	4.00	4.00	0.15	9.00	
	75.00	90.00	1	15.00	4.00	4.00	0.15	9.00	
	90.00	105.00	1	15.00	4.00	4.00	0.15	9.00	
	105.00	120.00	1	15.00	4.00	4.00	0.15	9.00	
				Arround Aswath Katte					
	0.00	15.00	1	15.00	2.00	2.00	0.15	4.50	
	15.00	30.00	1	15.00	2.00	2.00	0.15	4.50	
				Krishna achari Road					
	0.00	15.00	1	15.00	3.50	3.50	0.15	7.88	
	15.00	30.00	1	15.00	3.50	3.50	0.15	7.88	
	30.00	45.00	1	15.00	3.50	3.50	0.15	7.88	
	45.00	55.00	1	10.00	3.50	3.50	0.15	5.25	
				For Aswath Katte					
	0.00	15.00	1	15.00	0.95	0.95	0.15	2.14	

144.40

page-10

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

	CHAINAGE		NO	L	B	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)		
	15.00	28.00	1	13.00	0.95	0.95	0.15	1.85	
			For Aswath Katte						
	0.00	8.00	1	8.00	6.00	6.00	0.15	7.20	15 9.05
							Total Qty Work Done	153.41	Cum
							Qty Payable in this bill	153.41	Cum

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Contractor Representative

Assistant Engineer
Ward No 09
BBMP-Bangalore 28/02/2020

Asst.Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Colony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants :

Pre-Measurement

Item No: **13**

Item Name: KSRB 4.9.2 : Providing T .M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 for TMT Bars Fe500 Complete with all lead and lift and as per the direction of the Engineer-in-Charge. (Page No-4. 46.2 of KPWD S.R 2018-19)

Sl no	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standard Weight per Meter in kgs	Weight of Steel in kgs	Remarks
New Drain LHS										
1	10	1	150mm C/c	13	142.48	1852.2	Distribution	0.62	1148.39	
2	10	1	150mm C/c	5060	2.6	13156.0	Main Bar	0.62	8156.72	
								Total Qty Work Done	**9305.11**	**Tonne**
								Qty Payable in this bill	**9.31**	**Tonne**

Assistant Executive Engineer, Byatarayanapura Sub-division KRIDL, BBMP Bangalore

Contractor Representative

Assistant Engineer
Ward No 09
BBMP-Bangalore
14/02/2020.

Ltd to 9.26

Asst. Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP Bangalore - 97

page 12

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants : [illegible]

Pre-Measurement

Item No: **14**

Item Name: KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2

	CHAINAGE Land Mark		NO	L (m)	B (m)	Avg B (m)	D (m)	QTY	REMARKS
Kempegowda Nagar Colony									
From Arch	0.00	15.00	4	15.00			0.60	36.00	
	15.00	30.00	4	15.00			0.60	36.00	
	30.00	45.00	4	15.00			0.60	36.00	
	45.00	60.00	4	15.00			0.60	36.00	
	60.00	75.00	4	15.00			0.60	36.00	
	75.00	84.00	4	9.00			0.60	21.60	
	84.00	99.00	4	15.00			0.60	36.00	
	99.00	105.70	4	6.70			0.60	16.08	
	105.70	108.20	4	2.50			0.60	6.00	
	108.20	118.20	4	10.00			0.60	24.00	
1st Cross Road									
	0.00	15.00	4	15.00			0.60	36.00	
	15.00	30.00	4	15.00			0.60	36.00	
	30.00	45.00	4	15.00			0.60	36.00	
	45.00	60.00	4	15.00			0.60	36.00	
	60.00	75.00	4	15.00			0.60	36.00	
	75.00	90.00	4	15.00			0.60	36.00	
	90.00	93.91	4	3.91			0.60	9.38	
For Rising									
1st Cross Road	0.00	15.00	4	15.00			0.30	18.00	
	15.00	30.00	4	15.00			0.30	18.00	
	30.00	45.00	4	15.00			0.30	18.00	
	45.00	60.00	4	15.00			0.30	18.00	
	60.00	75.00	4	15.00			0.30	18.00	
	75.00	90.00	4	15.00			0.30	18.00	
	90.00	105.00	4	15.00			0.30	18.00	
	105.00	120.00	4	15.00			0.30	18.00	
	120.00	135.00	4	15.00			0.30	18.00	
	135.00	150.00	4	15.00			0.30	18.00	
	150.00	165.00	4	15.00			0.30	18.00	
	165.00	180.00	4	15.00			0.30	18.00	
	180.00	195.00	4	15.00			0.30	18.00	
	195.00	203.00	4	8.00			0.30	9.60	
1st Cross Road									
1st Cross Road	0.00	15.00	4	15.00			0.30	18.00	
	15.00	30.00	4	15.00			0.30	18.00	
	30.00	45.00	4	15.00			0.30	18.00	

806.66

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 9

Page 13

	CHAINAGE		NO	L	B	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)		
	45.00	60.00	4	15.00			0.30	18.00	
	60.00	75.00	4	15.00			0.30	18.00	
	75.00	90.00	4	15.00			0.30	18.00	
	90.00	105.00	4	15.00			0.30	18.00	
	105.00	109.09	4	4.09			0.30	4.91	
Cross Road-2	0.00	15.00	8	15.00			0.30	36.00	
	15.00	30.00	8	15.00			0.30	36.00	
	30.00	45.00	8	15.00			0.30	36.00	
	45.00	60.00	8	15.00			0.30	36.00	
	60.00	75.00	8	15.00			0.30	36.00	
	75.00	90.00	8	15.00			0.30	36.00	
	90.00	105.00	8	15.00			0.30	36.00	
	105.00	120.00	8	15.00			0.30	36.00	
	120.00	135.00	8	15.00			0.30	36.00	
	135.00	150.00	8	15.00			0.30	36.00	
	150.00	165.00	8	15.00			0.30	36.00	
	165.00	180.00	8	15.00			0.30	36.00	
	180.00	195.00	8	15.00			0.30	36.00	
	195.00	210.00	8	15.00			0.30	36.00	
	210.00	225.00	8	15.00			0.30	36.00	
	225.00	240.00	8	15.00			0.30	36.00	
	240.00	255.00	8	15.00			0.30	36.00	
	255.00	270.00	8	15.00			0.30	36.00	
	270.00	276.19	8	7.19			0.30	17.26	TH2.16
							Total Qty Work Done	1548.83	Sqm
							Qty Payable in this bill	1548.83	Sqm

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Contractor Representative

Assistant Engineer
Ward No 09 04/03/2020
BBMP-Bangalore

Consultant Representative

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Asst.Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants : [illegible]

Pre-Measurement

Item No:	19
Item Name:	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 (KPWD SR 2018-19, Page No.147, Item No.19.60)

	CHAINAGE Land Mark	NO	L (m)	B (m)	D (m)	(m)	QTY	REMARKS
	For Ashwath Katte							
	For Flooring							
	0.00	1.00		1.00	8.00	6.00	1.50	72.00
							Total Qty Work Done	**72.00** Cum
							Qty Payable in this bill	**72.00** Cum

Assistant Executive Engineer
Vidyaranyapura Sub Division
KRIDL, BBMP Bangalore

Contractor Representative

Assistant Engineer
Ward No 09 09/03/2020
BBMP-Bangalore

Asst Executive Engineer
Byatarayanapura Division
BBMP Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants : [illegible]

Pre-Measurement

Item No:	23								
Item Name:	Earthwork excavation for pipeline trenches (except building works) including disposing on back up to a lead of 30 mts including danger lighting and using sight rails and boning roads including shoring, strutting, bailing out water at every 100 mts. Wherever necessary as directed in the following strata (SRBWSSB 2017-18,P-51it-1.10)								
	CHAINAGE		**NO**	**L**	**B**	**B1**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**	**(m)**		
	For Sanitary Line								
	0.00	15.00	1	15.00	1.00	1.00	2.00	30.00	
	15.00	30.00	1	15.00	1.00	1.00	2.00	30.00	
	30.00	45.00	1	10.00	1.00	1.00	2.00	20.00	
	45.00	55.00	1	5.00	1.00	1.00	2.00	10.00	
	55.00	60.00	1	14.00	1.00	1.00	2.00	28.00	
	60.00	74.00	1	12.10	1.00	1.00	2.00	24.20	
	74.00	86.10	1	5.00	1.00	1.00	2.00	10.00	
	86.10	91.10	1	2.00	1.00	1.00	2.00	4.00	
	91.10	93.10	1	15.00	1.00	1.00	2.00	30.00	
	93.10	108.10	1	10.00	1.00	1.00	2.00	20.00	
	108.10	118.10	1	10.00	1.00	1.00	2.00	20.00	
	118.10	128.10	1	8.00	1.00	1.00	2.00	16.00	
	128.10	195.00	1	15.00	1.00	1.00	2.00	30.00	
	195.00	205.00	1	10.00	1.00	1.00	2.00	30.00	
	For Manhole								
	0.00	-8.00		-8.00	1.50	1.50	1.50	-12.00	
	For Water Line								
	0.00	15.00	1	15.00	0.60	0.60	0.90	8.10	
	15.00	30.00	1	10.00	0.60	0.60	0.90	5.40	
	30.00	40.00	1	8.00	0.60	0.60	0.90	4.32	
	40.00	48.00	1	8.00	0.60	0.60	0.90	4.32	
	48.00	56.00	1	5.00	0.60	0.60	0.90	2.70	
	56.00	61.00	1	10.00	0.60	0.60	0.90	5.40	
	61.00	71.00	1	10.00	0.60	0.60	0.90	5.40	
	71.00	81.00	1	15.00	0.60	0.60	0.90	8.10	
							Total Qty Work Done	**323.94**	**Cum**
							Qty Payable in this bill	**323.94**	**Cum**

Assistant Executive Engineer, Byatarayanapura Sub Division, KRIDL, BBMP Bangalore

Contractor Representative

Assistant Engineer
Ward No 09
BBMP-Bangalore

05/02/2020

Page 16

[illegible]

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Asst.Executive Engineer
Byatarayanapura Division
BBMP Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants :

Measurement Sheet

First and Final

Item No:	23A
Item Name:	Earthwork excavation for pipeline trenches (except building works) including disposing on back up to a lead of 30 mts including danger lighting and using sight rails and boning roads including shoring, strutting, bailing out water at every 100 mts. Wherever necessary as directed in the following strata (SRBWSSB 2017-18,P-51it-1.10)

	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	D (m)	QTY	REMARKS
Hard Rock									
For Sanitary Line									
	0.00	15.00	1	0.00	1.00	1.00	2.00	0.00	
	15.00	15.00	1	0.00	1.00	1.00	2.00	0.00	
	15.00	15.00	1	5.00	1.00	1.00	2.00	10.00	
	15.00	20.00	1	8.50	1.00	1.00	2.00	17.00	
	20.00	28.50	1	1.00	1.00	1.00	2.00	2.00	
	28.50	29.50	1	2.95	1.00	1.00	2.00	5.90	
	29.50	32.45	1	10.00	1.00	1.00	2.00	20.00	
	32.45	42.45	1	10.00	1.00	1.00	2.00	20.00	
	42.45	52.45	1	0.00	1.00	1.00	2.00	0.00	
	52.45	52.45	1	5.00	1.00	1.00	2.00	10.00	
	52.45	57.45	1	5.00	1.00	1.00	2.00	10.00	
	57.45	62.45	1	7.00	1.00	1.00	2.00	14.00	
	62.45	195.00	1	0.00	1.00	1.00	2.00	0.00	
	195.00	205.00	1	5.00	1.00	1.00	2.00	10.00	
For Water Line									
	0.00	15.00	1	0.00	0.60	0.60	0.90	0.00	0.32
	15.00	15.00	1	5.00	0.60	0.60	0.90	2.70	
	15.00	20.00	1	7.00	0.60	0.60	0.90	3.78	
	20.00	27.00	1	7.00	0.60	0.60	0.90	3.78	
	27.00	34.00	1	8.00	0.60	0.60	0.90	4.32	
	34.00	42.00	1	5.00	0.60	0.60	0.90	2.70	
	42.00	47.00	1	5.00	0.60	0.60	0.90	2.70	
							Total Qty Work Done	**138.88**	**Cum**
							Qty Payable in this bill	**138.88**	**Cum**

147.20

138.84

Assistant Executive Engineer,
Contractor Representative
KRIDL, BBMP Bangalore

Assistant Engineer
Ward No 09 05/02/2020
BBMP-Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Asst Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

Page 17

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants :

Measurement Sheet

First and Final

Item No: **24**

Item Name: Supplying of following Dia meters S&S RCC SPUN/VIBRATED CASTPIPES (REINFORCED) of458;1998 amendments NP- 3 class conforming to IS using ordinary port land cement and conveying to worksite rolling and lowering into trenches, laying true to line and level including loading and unloading at both destinations and jointing of pipes & specials including cost of specials including perfect linking of joints with jack to correct position including coat of jointing materials i.e., Rubber rings conforming to IS 5382 for S&S RCCpipes with a lead and lifts as RCC pipes with a lead and lifts as directed and giving necessary hydraulic testing & commissioning etc, complete(contracter will make hisown arrangements for procuring water for testing)before execution of work, contractor shall carry out the contractor shall carry out the survy and will be paid extrass per the sapearte item

	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	D (m)	QTY	REMARKS
	0.00	15.00	1	15.00				15.00	
	15.00	30.00	1	15.00				15.00	
	30.00	45.00	1	15.00				15.00	
	45.00	60.00	1	15.00				15.00	
	60.00	75.00	1	15.00				15.00	
	75.00	90.00	1	15.00				15.00	
	90.00	105.00	1	15.00				15.00	
	105.00	120.00	1	15.00				15.00	
	120.00	135.00	1	15.00				15.00	
	135.00	150.00	1	15.00				15.00	
	150.00	165.00	1	15.00				15.00	
	165.00	180.00	1	18.00				18.00	
	180.00	195.00	1	20.00				20.00	
	195.00	205.00	1	20.00				20.00	
Deduction For Mhs									
	0.00	-8.00		-8.00	1.20	1.20		-9.60	
							Total Qty Work Done	**213.40**	**Rmt**
							Qty Payable in this bill	**213.40**	**Rmt**

223.00

Assistant Executive Engineer,
Contractor Representative
KRIDL, BBMP Bangalore

Assistant Engineer
Ward No 09
BBMP-Bangalore
07/02/2020

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Asst.Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Pg 18

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants :

Pre-Measurement

Item No: **28**

Item Name: Providing and fixing chorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work)..(KPWD SR 2018-19, Page No.99, Item No.13.87.6)

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	D (m)	QTY	REMARKS
PVC 110mm dia								
			140.00				140.00	
						Total Qty Work Done	**140.00**	**m**
						Qty Payable in this bill	**140.00**	**m**

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Contractor Representative

Assistant Engineer
Ward No 09 07/02/2020
BBMP-Bangalore

Assistant Executive Engineer
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BBMP, Bangalore - 97

Asst. Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

Pg: 19

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants :

Pre-Measurement

Item No:	32							
Item Name:	Dismantling the damaged or collapsed manholes of 1.20Mtrs dia conical in shape and reconstruction of the same with machine made wire cut brick in shape 1:4 as per design and specification of new manholes of 1:2 Mtrs dia with old frames and covers excluding concrete 1:3:6 (SR BWSSB 2017-18 P 180 it 118)							
	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	D (m)	QTY	REMARKS
	EXMH 1							
			4.00				4.00	
						Total Qty Work Done	4.00	Cum
						Qty Payable in this bill	4.00	Cum

Assistant Executive Engineer, KRIDL, BBMP Bangalore

Contractor Representative

Assistant Engineer
Ward No 09
BBMP-Bangalore
04/02/2020

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Asst.Executive Engineer
Byatarayanapura Division
BBMP-Bangalore

Page-120

BHURAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Improvement to Roads, Drains and other Development Works in Kempegowda Nagara Calony and surrounding areas in Ward No.09 (Vidyaranyapura).

Name of the Contractor : KRIDL

Name of the Consultants :

Pre-Measurement

Item No:	33
Item Name:	Hire charges for 2HP Dewatering pump to bail out water at leacking pits inclusive of hire charges, cost of fuel Tranaporattion charges, oprater charges etc complstee (SR BWSSB 2017-18 P 37 IT 4)

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	D (m)	QTY	REMARKS
	For 2HP Rs.1300/ for 8 Hours							
	use for 5 HP and 8 Hours per day total 15 days							
	Per HP Rs 650.00 x 10 HP = 6500 per day							
			9.00				9.00	
						Total Qty Work Done	**9.00**	**Day**
						Qty Payable in this bill	**9.00**	**Day**

Assistant Executive Engineer, Byatarayanapura Division, KRIDL, BBMP Bangalore

Contractor Representative

Assistant Engineer
Ward No 09 06/02/2020
BBMP-Bangalore

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Page 21